

REMARKS

In the Office Action, the Examiner required that Applicants elect for further prosecution in the application a single invention from the following five individual groupings of claims:

I. Claims 1-10, drawn to a first method of producing glucosamine-6-phosphate from starch, maltodextrin or glycogen with glucosamine and an extract comprising glucosamine-6-phosphate synthase activity, classified in class 435, subclass 85;

II. Claims 11-20, drawn to a second method, which is different from the first method of producing glucosamine-6-phosphate from starch, maltodextrin or glycogen with an ammonium source and an extract comprising glucosamine-6-phosphate deaminase activity, classified in class 435, subclass 85 ;

III. Claims 21-22, drawn to a third method which is for producing, a totally different compound than that of Inventions I or II, glucosamine by incubating glucosamine-6-phosphate with a phosphates, classified in class 435, subclass 85;

IV. Claims 23-28, drawn to a fourth method which is for producing glucosamine from fructose by incubating fructose with glutamine and an extract comprising glucosamine-6-phosphate synthase activity classified in class 435, subclass 85; and

V. Claims 29-34, drawn to a fifth method which is for producing glucosamine from fructose by incubating fructose with an ammonium source in the presence of an extract comprising glucosamine-6-phosphate deaminase activity classified in Class 435, subclass 85.

Responsive to the above-mentioned restriction requirement and subject to the following, Applicants provisionally elect the invention recited in Group II, claim 11-20 without traverse.

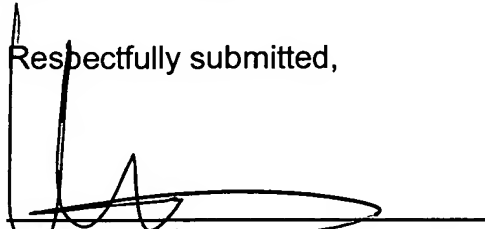
Applicant reserve the right to prosecute the unelected and other claims in future applications, where appropriate. Although the Examiner has not identified any claim as being generic, responsive to this requirement, Applicants note that upon the allowance of a generic claim, Applicants will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all limitations of the allowed generic claim as provided by 37 C.F.R. § 1.141.

No fee is believed to be required with the filing of this Response. Should any fee be required, please charge Deposit Account No. 11-1110. Should any extension of time be required, please consider this a petition therefore and charge the required fee to Deposit Account No. 11-1110.

Examination of the claims at an early date is earnestly solicited. Should the Examiner wish to discuss the Office Action in light of this Response, the Examiner is invited to contact the undersigned at the telephone number listed below.

April 3, 2006
Date

Respectfully submitted,


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